Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

Date.....20

No: First and Part Bill

Division: **Project** Sub-Division: **Project Sub Division**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: **Work Code: 009-20-000034** Est.Cost- **150.00 Lakhs**

Name of Work: **Construction Of Additional Floor To Existing Library at Vidyaranyapura Ward No.09 In Byatarayanapura Assembly Constituency**

Name of Contractor and Full Address : **Sri. S K Keshavamurthy #104, Sampigehalli, Jakkur Post, Bangalore-560064**

Reference to Agreement No: EE(Project)/Ynk Zone/WO/173/2020-21 Date: 05-01-2021

Certified that the measurements were taken by me on 25/8/2022 and recorded of Pages 422059 to 422069 of measurement Book No. 16/19-20, and that the work is satisfactorily executed.

Officer-in-charge of work

Contractor

Certified that the measurement were taken by me on 25/8/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

25/8/22

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	9545800-00
2)	Deduct amount to be held in reserve being .....percent Rs.....	95500-00
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	85300-00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	85300-00
5)	Balance being unpaid value of work done held in reserve.	9550-00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	9550-00
7)	Net amount due to or from Contractor unadjustments items.	371150-00
8)	Advance to Contractor for materials brought to site (as detailed) within.	9174650-00
9)	Value of Government materials supplied. Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Head of Account.....P-1732.....

Audited & admitted for Rs.....9545800-00.....

.....

9174650-00

.....by Cheque

and Rs.....371150-.....by Adjustment

Executive Engineer

Acct. Clerk Project Division | Acct.I Supdt. Project Division B.B.M.P. | Exe. Engineer Project Division B.B.M.P

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Construction of Additional floor to existing Library at Vidyaranyapura Ward no.09 in Byatarayanapura Assembly Constituency

ABSTRACT

Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
1	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m. As per the direction of the Engineer Incharge Qty Upto 125%	Cum	13.08	269.43	3525.00	0.00	269.43	0.00	16.35	269.43	4406.00	16.35	4406.00
	Qty Above 125%								5.15	269.43	1389.00	5.15	1389.00
2	Dismantling weather proof course and removing and conveying the debris to a distance upto 200m. As per the direction of the Engineer Incharge .	Cum	38.31	807.19	30924.00	0.00	807.19	0.00	33.74	807.19	27238.00	33.74	27238.00
3	Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1: Surface Road.As per the direction of the Engineer Incharge	t.km	100.54	16.32	1641.00	0.00	16.32	0.00	70.72	16.32	1155.00	70.72	1155.00
4	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.As per the direction of the Engineer Incharge	MT	38.64	77409.71	2991421.00	0.00	77409.71	0.00	38.03 38.01	77409.71	2943887.00 2943843.00	38.03	2943887.00 2942343
5	Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part there of cost of labour, complete as per specifications. As per the direction of the Engineer Incharge	MT	38.64	815.92	31531.00	0.00	815.92	0.00	38.03 38.01	815.92	31030.00 31013.00	38.03	31030.00
6	Providing and removing Centering & Shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular / polygon in plan including cost of all materials, labour complete as per specifications.As per the direction of the Engineer Incharge	Sqm	407.35	522.65	212904.00	0.00	522.65	0.00	265.23	522.65	138623.00	265.23	138623.00
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for RCC beams, columns, roof of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications .As per the direction of the Engineer Incharge	Cum	149.42	6487.59	969402.00	0.00	6487.59	0.00	18.71	6487.59	121404.00 121382.00	18.71	121404.00
8	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for sides ands soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.As per the direction of the Engineer Incharge Qty Upto 125%	Sqm	385.18	345.78	133189.00	0.00	345.78	0.00	466.35	345.78	161254.00	466.35	161254.00
9	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, baiconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. As per the direction of the Engineer Incharge Qty Upto 125%	Sqm	938.73	2116.15	1986494.00	0.00	2116.15	0.00	1049.04	2116.15	2219932.00 2219925.00	1049.04	2219932.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
10	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1)2005 and constructed with CM 1 A, as per IS 25722005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. As per the direction of the Engineer Incharge	Sqm	893.62	1084.70	969314.00	0.00	1084.70	0.00	595.22	1084.70	645638.00	595.22	645638.00
11	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1)2005 and constructed with CM 1 A, as per IS 25722005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. As per the direction of the Engineer Incharge	Sqm	145.56	1074.88	156464.00	0.00	1074.88	0.00	22.87	1074.88	24582.00	22.87	24582.00
12	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.As per the direction of the Engineer Incharge Qty Upto 125%	Cum	187.30	6233.44	1167549.00	0.00	6233.44	0.00	231.74	6233.44	1444522.00	231.74	1444522.00
13	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.As per the direction of the Engineer Incharge	Sqm	1259.71	247.13	311313.00	0.00	247.13	0.00	900.57	247.13	222558.00	900.57	222558.00
14	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications As per the direction of the Engineer Incharge	Sqm	1746.52	307.73	537457.00	0.00	307.73	0.00	832.21	307.73	256095.00	832.21	256095.00
15	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to Ceiling including rounding off corners wherever required smooth rendering, Provinding and removing scaffolding, including cost of materials, labour, curing complete as per specifications.As per the direction of the Engineer Incharge Qty Upto 125%	Sqm	773.73	251.49	194586.00	0.00	251.49	0.00	967.16	251.49	243232.00	967.16	243232.00
	Qty Above 125%	Sqm							53.81	245.43	13206.00	53.81	13206.00
16	Providing and finishing external walls in two coats with Water Proof Cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications As per the direction of the Engineer Incharge	Sqm	1733.74	119.34	206905.00	0.00	119.34	0.00	0.00	119.34	0.00	0.00	0.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
17	Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications..As per the direction of the Engineer Incharge	Sqm	2031.37	119.99	243745.00	0.00	119.99	0.00	0.00	119.99	0.00	0.00	0.00
18	Providing and fixing Vitrified blessed tiles of approved make, quality and colour of size 600 x 600 x 10 mm thick fixed on bed of 12 thick cement mortar for flooring, Skirting and jointed with neat cement slurry mixed with figment to mach shade of tiles, including providing spacers required intervals and removing stains etc. complete as per specification.As per the direction of the Engineer Incharge	Sqm	839.74	1045.92	878304.00	0.00	1045.92	0.00	0.00	1045.92	0.00	0.00	0.00
19	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic tiles 30cm x 60cm 6mm thick on a bed of 20mm thick. As per the direction of the Engineer Incharge	Sqm	21.10	1045.92	22069.00	0.00	1045.92	0.00	0.00	1045.92	0.00	0.00	0.00
20	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. - Colour glazed tiles 15x15 cms 6mm thick.As per the direction of the Engineer Incharge	Sqm	97.34	1782.21	173488.00	0.00	1782.21	0.00	0.00	1782.21	0.00	0.00	0.00
21	Flooring with 25mm thick polished tandur blue stone slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. As per the direction of the Engineer Incharge	Sqm	122.82	1369.88	168255.00	0.00	1369.88	0.00	0.00	1369.88	0.00	0.00	0.00
22	Providing and laying platform using prepolished, water cut l gang saw 40mm thick telephonic Black Granite. laid on existing vertical-supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in JOints including cost of all materials, mortar, labour, curing etc., complete as per specification.As per the direction of the Engineer Incharge	Sqm	7.04	3847.09	27099.00	0.00	3847.09	0.00	0.00	3847.09	0.00	0.00	0.00
23	Providing and fixing polished granite sink of size 60cms x 90cms of 23cm thick, the sink portion shall be 15cm in depth of shapes oval l round l square over brick masonry in cement mortar 1:6 including cost and conveyance of all materials, labour for all items of work, HOM with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work.	Each	1.00	7158.92	7159.00	0.00	7158.92	0.00	0.00	7158.92	0.00	0.00	0.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
24	Providing Mathi/Nandi wood frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.As per the direction of the Engineer Incharge	Cum	0.71	69164.36	49107.00	0.00	69164.36	0.00	0.00	69164.36	0.00	0.00	0.00
25	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30 mm. thick with bottom and lock rails 180 mm wide top rail and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials.As per the direction of the Engineer Incharge	Sqm	13.23	4680.30	61921.00	0.00	4680.30	0.00	0.00	4680.30	0.00	0.00	0.00
26	Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.As per the direction of the Engineer Incharge	kgs	816.48	148.95	121616.00	0.00	148.95	0.00	0.00	148.95	0.00	0.00	0.00
27	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26. 7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original	Sqm	84.42	4843.76	408911.00	0.00	4843.76	0.00	0.00	4843.76	0.00	0.00	0.00
28	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred JOints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4.PWD SR 2018-19, It No.7.26, Pg. No.42	Sqm	3.78	6755.69	25537.00	0.00	6755.69	0.00	0.00	6755.69	0.00	0.00	0.00
29	Door lock, PWD SR 2018-19, SL NO-386, Pg. No.XV	Each	10.00	350.93	3510.00	0.00	350.93	0.00	0.00	350.93	0.00	0.00	0.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
30	Solid Panel PVC Door Shutter : Providing & fixing 30mm thick factory made rigid foam panelled door shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with head moulded PVC channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet fitted as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., complete as per manufacturers specification & Direction of Engineer-in-charge fixed to frames with nos of 75 mm aluminium hinges.As per the direction of the Engineer Incharge	Sqm	9.45	3033.19	28664.00	0.00	3033.19	0.00	0.00	3033.19	0.00	0.00	0.00
31	Supply and fixing of door frame made of hollow extruded PVC Section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2corners shall be metric cut/ welded.. As per the direction of the Engineer Incharge	Mtr	34.20	276.74	9465.00	0.00	276.74	0.00	0.00	276.74	0.00	0.00	0.00
32	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps or Staircase are made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top, one pipes are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged.P.No. 45, I.No. 7.39 of PWD SR 2018-19	Sqm	22.00	5872.38	129193.00	0.00	5872.38	0.00	0.00	5872.38	0.00	0.00	0.00
33	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) As per the direction of the Engineer Incharge	Nos	1.00	7447.98	7448.00	0.00	7447.98	0.00	0.00	7447.98	0.00	0.00	0.00
34	For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage.standards & methodology : As per the direction of the Engineer Incharge	Sqm	422.23	681.75	287856.00	0.00	681.75	0.00	0.00	681.75	0.00	0.00	0.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
35	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(P.No. 79, I.No.12.5 of PWD SR 2018-19)	Each	4.00	5406.00	21624.00	0.00	5406.00	0.00	0.00	5406.00	0.00	0.00	0.00
36	Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a pair of 15mm C.P. brass pillar taps with C.I. /M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.As per the direction of the Engineer Incharge	Unit	3.00	3917.79	11754.00	0.00	3917.79	0.00	0.00	3917.79	0.00	0.00	0.00
37	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.As per the direction of the Engineer Incharge	Each	15.00	207.25	3109.00	0.00	207.25	0.00	0.00	207.25	0.00	0.00	0.00
38	Providing gun metal pillar cocks 15mm dia of I class conforming to ISI specifications and fixing them in position as per directions including of cost of materials and fixtures and conveyance to spot.As per the direction of the Engineer Incharge	Each	2.00	263.97	528.00	0.00	263.97	0.00	0.00	263.97	0.00	0.00	0.00
39	Providing and fixing 600x450mm bevellLead edge mirror of superior glass with 6mm hard board backing and fixed to wooden cleats with C.P screws, washers, including cost of materials, labour complete as per specifications.As per the direction of the Engineer Incharge	Unit	2.00	263.97	528.00	0.00	263.97	0.00	0.00	263.97	0.00	0.00	0.00
40	Providing and fixing C.P. brass towel rail 600 mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labour complete as per specifications.As per the direction of the Engineer Incharge	Unit	3.00	735.20	2206.00	0.00	735.20	0.00	0.00	735.20	0.00	0.00	0.00
41	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms .As per the direction of the Engineer Incharge	Each	10.00	735.20	7352.00	0.00	735.20	0.00	0.00	735.20	0.00	0.00	0.00
42	Providing and fixing white vitreous china clay urinals with flat back of approved make fixed to wooden plugs including bends, painting white to exposed pipes etc., complete as per directions.(rate includes cost of all materials and lead). A grade.As per the direction of the Engineer Incharge	Each	4.00	927.18	3709.00	0.00	927.18	0.00	0.00	927.18	0.00	0.00	0.00
43	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc) - 25mm nominal OD pipes As per the direction of the Engineer Incharge	Mtr	400.00	319.60	127840.00	0.00	319.60	0.00	0.00	319.60	0.00	0.00	0.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
44	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 75mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. As per the direction of the Engineer Incharge	Mtr	150.00	649.03	97355.00	0.00	649.03	0.00	0.00	649.03	0.00	0.00	0.00
45	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. As per the direction of the Engineer Incharge	Each	8.00	163.62	1309.00	0.00	163.62	0.00	0.00	163.62	0.00	0.00	0.00
46	Open conduit system: supplying heavy guage PVC conduit pipe 19/20mm dia thick dia confirming IS 2509 with suitable size bents,junction boxes,adhesive paste etc, and fixing using inverted wood plugs in case of RCC cilling and wall sum structure are rawl plugs incase of bricks wall and cement plastering damaged portion using heavy guage saddles at am intervel of 700mm using NF screws As per the direction of the Engineer Incharge	Mtr	450.00	54.54	24543.00	0.00	54.54	0.00	450.00	54.54	24543.00	450.00	24543.00
47	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete. 4-5 way As per the direction of the Engineer Incharge	Each	20.00	104.03	2081.00	0.00	104.03	0.00	0.00	104.03	0.00	0.00	0.00
48	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete..upto 50mm conduit in brick wall.As per the direction of the Engineer Incharge	Mtr	300.00	21.21	6363.00	0.00	21.21	0.00	0.00	21.21	0.00	0.00	0.00
49	Point wiring using copper wir with switch: Supplying and wiring adopting loop system in existing PCV conduit/casing caping using copper PVC installed multi strand 2x1.2Sq m copper wire with a 6amps flush type SP control switch shall b fixd in the exisiting palastic shet/gang box th oter end of the wire shall be terminated with sufficient loose length in a wood brick complete for ach outlt. Point wiring using class A matireal.As per the direction of the Engineer Incharge	Point	30.00	277.75	8333.00	0.00	277.75	0.00	0.00	277.75	0.00	0.00	0.00
50	Supplying 6A flush/projected type socket and 6amps flish projected type SP switches either surface flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required b) 6amps 3/5 way. As per the direction of the Engineer Incharge	Each	40.00	133.32	5333.00	0.00	133.32	0.00	0.00	133.32	0.00	0.00	0.00
51	Supplying and fixing miniature circit breakers on existing MCB distributatiob boards using necessary fixing, matirials and C type curve indicator ON/OFF energy cross -3 with short circuit breaking capacity of 10 kand complete writing as reuired. As per the direction of the Engineer Incharge 1)Group Material A)Miniature circuit breakers a) 5 to 32 Amps	Each	10.00	1732.15	17322.00	0.00	1732.15	0.00	0.00	1732.15	0.00	0.00	0.00
52	2)Group Material A)Miniature circuit breakers b) 40 to 63 Amps TPN.As per the direction of the Engineer Incharge	Each	20.00	1452.58	29052.00	0.00	1452.58	0.00	0.00	1452.58	0.00	0.00	0.00
53	Chemical earthing for grounding conduits ,IC cut outs & other equipments on the meter board by using copper bonded /SS rod with earth enhencing back fill compound which is non corrossive thermally conductive ,potential to permissible limits, supirior foult condition capacity, non toxic wether resistsnce & capable achieving ohmin value less than one ohm using 4ft copper bonded rod with backfill compound .As per the direction of the Engineer Incharge	kit	2.00	3908.70	7818.00	0.00	3908.70	0.00	0.00	3908.70	0.00	0.00	0.00

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Item no	Description of work	Unit	Qty as per quoted rate			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
54	Supplying capacitors type ceilling fan complete with down rod blades shakle canopies for operation on 230V 50 cycles phase AC supply confirming to ISS 374-1979 and with double ball bearing system (84/93)As per the direction of the Engineer Incharge	Each	20.00	2110.90	42218.00	0.00	2110.90	0.00	0.00	2110.90	0.00	0.00	0.00
55	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply As per the direction of the Engineer Incharge	Each	1.00	1212.00	1212.00	0.00	1212.00	0.00	0.00	1212.00	0.00	0.00	0.00
56	Supplying of recess mounting non integral type ....LED ....W luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded fase ceiling clamps,Power LEDs with CCT 6500 degree K, CRI> 70%, Efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly , with PF > 0.95, power loss should <5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, , THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.As per the direction of the Engineer Incharge	Nos	39.00	5656.00	220584.00	0.00	5656.00	0.00	0.00	5656.00	0.00	0.00	0.00
57	Sipplyingand fixing of porcelain fuse channel with cut out on existing wooden./pannel using necessary nuts, bolts and washes etc. complete 32 amps.As per the direction of the Engineer Incharge	Each	9.00	175.74	1582.00	0.00	175.74	0.00	0.00	175.74	0.00	0.00	0.00
58	Wiring/Lighting/Power circuit using one of FRLS PVC insulated 1100V grade. Multistand and copper conductor single core cable in open or conceaed system of wiring as per IS 694:1990 & confirming to GTP of from group a matireal.As per the direction of the Engineer Incharge	Each	300.00	20.71	6213.00	0.00	20.71	0.00	0.00	20.71	0.00	0.00	0.00
59	ii) 2.5Sq m	Each	300.00	32.32	9696.00	0.00	32.32	0.00	0.00	32.32	0.00	0.00	0.00
60	iii) 4 Sq m	Each	300.00	45.45	13635.00	0.00	45.45	0.00	0.00	45.45	0.00	0.00	0.00
	Bescom charges		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub Total				**13231265.00**			**0.00**			**8524694.00**		**8524694.00**
	GST 12%				**1587752.00**			**0.00**			**1022964.00**		**1022964.00**
	Grand Total				**14819017.00**			**0.00**			**9547658.00**		**9547658.00**

Certificate

1. The Work executed by the contractor is found satisfactory
2. The contractor has removed the debris from the work spot
3. There are no departmental issues for this work

8523104-00
1022772-00
9545876-00

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer

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